

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01J35/10 H01J35/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 313 510 A (EBERSBERGER ET AL) 17 May 1994 (1994-05-17) abstract column 5, line 56 - column 6, line 34 column 7, lines 18-40 column 8, lines 38-49 column 12, lines 27-55	1,2,4,5, 7,13-15, 17-20,24
Y		1-7,13, 17-20
Y	US 5 625 661 A (OIKAWA ET AL) 29 April 1997 (1997-04-29) column 4, line 1 - column 5, line 30 column 6, line 29 - column 7, line 35 column 10, lines 1-31 ----- -/--	1,2,4,7, 13,17-20

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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G document member of the same patent family

Date of the actual completion of the international search

21 June 2005

Date of mailing of the international search report

04/07/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 583 420 B1 (NELSON ROBERT S ET AL) 24 June 2003 (2003-06-24) abstract column 17, line 22 - column 19, line 2	1,5,7, 14,15, 17-20
Y	US 4 523 327 A (EVERSOLE ET AL) 11 June 1985 (1985-06-11) abstract column 3, lines 3-11 column 5, lines 45-67 claims 9,10	1-3,5,6
P,X	WO 2004/037088 A (KONINKLIJKE PHILIPS ELECTRONICS N.V; U.S. PHILIPS CORPORATION) 6 May 2004 (2004-05-06) page 7, line 1 - page 8, line 18 page 20, line 8 - page 24, line 2	1-3,6,7, 14,15, 17-20,24

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